

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>R62598PC</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, Item 5 below.</small>	
International application No. <b>PCT/EP2005/002920</b>	International filing date (day/month/year) <b>18/03/2005</b>	(Earliest) Priority Date (day/month/year) <b>18/03/2004</b>
Applicant <b>REVOTAR BIOPHARMACEUTICALS AG</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 9 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2.  Certain claims were found unsearchable (See Box II).

3.  Unity of invention is lacking (see Box III).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claim 7 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.**
2.  Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/002920A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07C233/00 C07C237/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 340 700 B1 (AUGUET MICHEL ET AL) 22 January 2002 (2002-01-22)	1,2,4, 7-10
Y	*columns 1 and 2; the claims and compound with rn 214124-47-7: benzamide, N-'2-(4-aminophenylethyl)-3,4,5-trihydroxy *	3,5,6
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002296238 retrieved from XFIRE accession no. BRN2765383 abstract	1,2,4 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

- \*A\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

7 June 2005

15/06/2005

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/002920

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE BEILSTEIN 'Online! BEILSTEIN INSTITUTE FOR ORGANIC CHEMISTRY, FRANKFURT-MAIN, DE; XP002296239 retrieved from XFIRE accession no. BRN2763456 abstract -----	1,2,4
X	WO 99/29705 A2 (GLYCOMED INCORPORATED, USA; SANKYO CO., LTD.) 17 June 1999 (1999-06-17) *the abstract; the examples; the claims and in particular compound 4-piperidinecarboxylic acid, 1-(3,4,5-trihydroxybenzoyl), rn:227462-58-0* -----	1,2,4, 7-10
Y	*the abstract; the examples; the claims and in particular compound 4-piperidinecarboxylic acid, 1-(3,4,5-trihydroxybenzoyl), rn:227462-58-0*	3,5,6
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; NOMOTO, TAKASHI ET AL: "Preparation of hydroxybenzamide derivatives as prevention and treatment agents for bone diseases" XP002296240 retrieved from STN Database accession no. 1996:513596 abstract & JP 08 143525 A2 (BANYU PHARMA CO LTD, JAPAN) 4 June 1996 (1996-06-04) -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; NAKAJO, KYOSHI ET AL: "Silver halide color photographic material" XP002296241 retrieved from STN Database accession no. 1990:45554 abstract & JP 01 120554 A2 (FUJI PHOTO FILM CO., LTD., JAPAN) 12 May 1989 (1989-05-12) -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SAKAGAMI, MEGUMI: "Silver halide color photographic material" XP002296242 retrieved from STN Database accession no. 1987:467992 abstract & JP 61 282839 A2 (FUJI PHOTO FILM CO., LTD., JAPAN) 13 December 1986 (1986-12-13) -----	1,2,4

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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 476 219 A (KEI, SAKANOUE ET AL) 9 October 1984 (1984-10-09) Benzoic acid, 4-chloro-3-‘(3,4,5-trihydroxybenzoyl)amino !-dodecyl ester, rn: 89946-84-9. -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PASHCHENKO, E. N. ET AL: "Photometric determination of molybdenum in tungsten and its alloys as a carboxygallanilide complex" XP002296243 retrieved from STN Database accession no. 1976:536659 abstract & ZHURNAL ANALITICHESKOI KHMII , 31(2), 400-1 CODEN: ZAKHA8; ISSN: 0044-4502, 1976, -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MAL'TSEV, V. F. ET AL: "Photometric determination of molybdenum" XP002296244 retrieved from STN Database accession no. 1975:612201 abstract & SU 480 000 T (USSR) 5 August 1975 (1975-08-05) -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MORLYAN, N. M. ET AL: "N-(3,4,5-Trimethoxybenzoyl)-p-aminobenzoic acid" XP002296245 retrieved from STN Database accession no. 1972:85515 abstract & METODY POLUCH. KHM. REAKTIV. PREP. , NO. 20, 121-3 FROM: REF. ZH., KHM. 1971, ABSTR. NO. 2ZH230, 1969, -----	1,2,4
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SLYUSARE, A. T. ET AL: "Dissociation of p-carboxygallic anilide" XP002296246 retrieved from STN Database accession no. 1964:428806 abstract -/-	1,2,4

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2005/002920

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>&amp; UCH. ZAP., Khar'kovsk. Gos. Univ. 133, TR. Khim. Fak. i Nauchn.-Issled. Inst. Khim., 133(19), 95-103, 1963,</p> <p>-----</p> <p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LAPIN, N. N. ET AL: "Determination of titanium in heat-resistant steels" XP002296247 retrieved from STN Database accession no. 1964:86480 abstract &amp; SB. NAUCHN. TR. ZHDANOVSK. MET. INST. , (9), 103-7 FROM: REF. ZH., KHIM. 1963, ABSTR. NO. 20G101., 1963,</p> <p>-----</p>	1-6
X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SLYUSAREV, A. T. ET AL: "Dissociation of p-carboxygallanilide" XP002296248 retrieved from STN Database accession no. 1962:446636 abstract &amp; UKRAINSKII KHIMICHESKII ZHURNAL (RUSSIAN EDITION), 28, 309-15 CODEN: UKZHAU; ISSN: 0041-6045, 1962,</p> <p>-----</p>	1-6
X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MANNING, D. L. ET AL: "Association constants of silver(I) and cyanide ions in molten equimolar sodium nitrate-potassium nitrate mixtures" XP002296249 retrieved from STN Database accession no. 1962:446635 abstract &amp; INORG. CHEM. , 1, 594-9, 1962,</p> <p>-----</p>	1-6
X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SHINGAKI, TADAO: "Reaction of substituted benzazides with benzylamine" XP002296250 retrieved from STN Database accession no. 1961:22545 abstract &amp; NIPPON KAGAKU ZASSHI , 80, 55-8 CODEN: NPKZAZ; ISSN: 0369-5387, 1959,</p> <p>-----</p>	1-6

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## INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SLYUSAREV, A. T. ET AL: "Gallic acid anillides" XP002296251 retrieved from STN Database accession no. 1961:22544 abstract & UKRAINS'KII KHEMICHNII ZHURNAL , 26, 364-7 CODEN: UKHZAS; ISSN: 0372-4190, 1960, -----	1-6
Y	WO 2004/018502 A1 (YAMANOUCHI EUROPE B.V., NETH.) 4 March 2004 (2004-03-04) *the whole document; in particular, table 3* -----	1-10
Y	WO 97/01569 A (CIBA GEIGY AG ; KOLB HARTMUTH C (DE)) 16 January 1997 (1997-01-16) 3-piperidino1,5-‘‘3-0-‘(1S)-1-carboxy-2-cy clohexylethyl!-.beta.-D-galactopyranosyl!o xy!-4-‘(6-deoxy.alpha.-L-galactopyranosyl) oxy!-1-(3,4,5-trihydroxybenzoyl)-monosodiui m salt, (3R,4R,5R) and its use. -----	1-10
Y	EP 1 081 151 A (EISAI CO LTD ; MERCIAN CORP (JP)) 7 March 2001 (2001-03-07) the whole document -----	1-10
Y	WO 03/075905 A (LOPEZ-BELMONTE PASCUAL JUAN ; BOBEL 246 S L (ES); LOPEZ-BELMONTE PASCU) 18 September 2003 (2003-09-18) the whole document -----	1-10
Y	APPELDOORN, CHANTAL C. M. ET AL: "Rational Optimization of a Short Human P- selectin -binding Peptide Leads to Nanomolar Affinity Antagonists" JOURNAL OF BIOLOGICAL CHEMISTRY , 278(12), 10201-10207 CODEN: JBCHA3; ISSN: 0021-9258, 2003, XP002275710 *the whole document; in particular, table II* -----	1-10

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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PCT/EP2005/002920

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6340700	B1	22-01-2002	FR 2761066 A1 AT 241612 T AU 733173 B2 AU 6404398 A BR 9808427 A CA 2285037 A1 CN 1253555 A ,C DE 69815094 D1 DE 69815094 T2 DK 973763 T3 EP 0973763 A1 ES 2200318 T3 WO 9842696 A1 HK 1027563 A1 HU 0001438 A2 IL 131915 A JP 2001518114 T NO 994620 A NZ 338016 A PL 335838 A1 PT 973763 T RU 2183211 C2 SK 129899 A3 TR 9902382 T2 TW 587080 B US 2003078420 A1 US 6335445 B1 US 2002007062 A1 US 2005043397 A1 US 2002045753 A1 US 2002042511 A1 ZA 9802203 A	25-09-1998 15-06-2003 10-05-2001 20-10-1998 23-05-2000 01-10-1998 17-05-2000 03-07-2003 05-02-2004 29-09-2003 26-01-2000 01-03-2004 01-10-1998 07-01-2005 28-05-2001 01-06-2004 09-10-2001 10-11-1999 28-01-2000 22-05-2000 31-10-2003 10-06-2002 16-05-2000 21-06-2000 11-05-2004 24-04-2003 01-01-2002 17-01-2002 24-02-2005 18-04-2002 11-04-2002 16-09-1998
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